

Notice of Allowability

Application No.

10/700,638

Applicant(s)

IIJIMA, CHIYOAKI

Examiner

Art Unit

Tai Duong

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to _____.
2. The allowed claim(s) is/are 1-10.
3. The drawings filed on 05 November 2003 are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some* c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 1) hereto or 2) to Paper No./Mail Date _____.
(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of
 Paper No./Mail Date _____.
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
 Paper No./Mail Date 11/05/03
4. Examiner's Comment Regarding Requirement for Deposit
 of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
 Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

None of the prior art of record discloses or suggests a transreflective liquid crystal (LC) panel having the following features: *a*) a supertwisted LC layer having twist angle in the range of from 220 to 270 degrees; *b*) a transreflective layer, which is disposed on an *inner side* of the lower substrate, that reflects and transmits a portion of light incident upon the liquid crystal panel; *c*) wherein, in a pixel in a bright display of the liquid crystal panel, light emitted from the illuminating device and that is incident upon the upper polarizer from the liquid crystal layer is elliptically polarized light, and the product of an optical anisotropy Δn and a thickness d of the liquid crystal layer, $\Delta n \cdot d$, is in a range of from 820 nm to 950 nm; and *d*) the liquid crystal panel having a directional reflection function which causes light obliquely incident upon the liquid crystal panel to exit mainly in a direction perpendicular to the liquid crystal panel rather than in a specular reflection direction.

The JP 10-332914 cited by Applicant discloses a transreflective LC panel having the above features *a* and *c*, not the above features *b* and *d*.

Sone (US 6,816,217) discloses a transreflective LC panel having the above features *a* and *b*, not the above features *c* and *d*.

Kaneko (US 6,825,902) discloses a transreflective LC panel having the above features *a*, *b* and *c*, not the above feature *d*.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

Art Unit: 2871

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication should be directed to Tai Duong at telephone number (571) 272-2291.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.



DUNG T. NGUYEN
PRIMARY EXAMINER



TVD

05/05